

K062453

5. SUMMARY OF SAFETY AND EFFECTIVENESS

(According to 21 CFR 807.92)

APR 17 2007

DATE OF

SUBMISSION:

August 5, 2006

SUBMITTER:

President, Chin Lin Huang
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ESTABLISHMENT

REGISTRATION NO: 9612742

OFFICIAL

CONTACT:

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ROC CHINESE-EUROPEAN INDUSTRIAL RESEARCH
SOCIETY
NO 58, FU-CHIUN ST.
HSIN-CHU CITY, CHINA (TAIWAN) 30067
TEL: 886-3-5208829
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TRADE NAME:

KINGLY STAR Powered Muscle Stimulator, KS-138

**COMMON/USUAL
NAME:**

Electrical Muscle Stimulator

**CLASSIFICATION
NAME:**

Powered Muscle Stimulator

**REGULATION
NUMBER:**

890.5850

**PREDICATED
DEVICE:**

TAI SHENG Powered Muscle Stimulator, TS-166,
(K031310)

INTENDED USE:

- Relaxation of muscle spasms
- Prevention or retardation of disuse atrophy
- Muscle re-education
- Immediate post-surgical stimulation of calf muscles to prevent venous thrombosis
- Maintaining or increasing range of motion

Description of Device:

A sequenced system for transcutaneous muscle stimulation consists of a stimulator, a sequencer for channel selection, patient cable, and electrodes applied to the skin.

Various types of waveforms may be output to generate the desired effect on the muscle(s) to be treated, and the patient is given control of the signal intensity for personal safety and comfort. Sequenced system may have more than one output channel in order to operate bilaterally on the body or to treat multiple regions simultaneously or serially in a prescribed sequence.

Non-Clinical Tests Submitted:

The KS-138 has been tested in accordance with applicable standards for medical device electrical safety, electromagnetic compatibility, and the particular requirements for safety of nerve and muscle stimulators.

Accessories also meet safety requirements: 510(k) electrodes are specified, and the patient cable utilizes shrouded connectors to meet lead wire safety requirements.

System level testing including waveform testing was performed in combination with the KS-138 stimulator.

Clinical Tests Submitted:

None

Conclusion:

As the product description and tests as above, the new device: KINGLY STAR Powered Muscle Stimulator KS-138 is as safe and effective as, and the function in a manner equivalent to the predicate device: TAI SHENG Powered Muscle Stimulator TS-166.

Thus the new device is substantially equivalent to the predicate devices in this aspect.



APR 17 2007

Food and Drug Administration
9200 Corporate Boulevard
Rockville MD 20850

Kingly Star International Technology Co.
% Republic of China Chinese-European Industrial Research Society
Dr. Ke-Min Jen
No. 58, Fu-Chiun Street
Hsin-Chu City, Taiwan
Republic of China

Re: K062453

Trade/Device Name: Kingly Star Powered Muscle Stimulator, KS-138
Regulation Number: 21 CFR 890.5850
Regulation Name: Powered muscle stimulator
Regulatory Class: II
Product Code: IPF
Dated: March 20, 2007
Received: April 2, 2007

Dear Dr. Jen:

We have reviewed your Section 510(k) premarket notification of intent to market the device referenced above and have determined the device is substantially equivalent (for the indications for use stated in the enclosure) to legally marketed predicate devices marketed in interstate commerce prior to May 28, 1976, the enactment date of the Medical Device Amendments, or to devices that have been reclassified in accordance with the provisions of the Federal Food, Drug, and Cosmetic Act (Act) that do not require approval of a premarket approval application (PMA). You may, therefore, market the device, subject to the general controls provisions of the Act. The general controls provisions of the Act include requirements for annual registration, listing of devices, good manufacturing practice, labeling, and prohibitions against misbranding and adulteration.

If your device is classified (see above) into either class II (Special Controls) or class III (PMA), it may be subject to such additional controls. Existing major regulations affecting your device can be found in the Code of Federal Regulations, Title 21, Parts 800 to 898. In addition, FDA may publish further announcements concerning your device in the Federal Register.

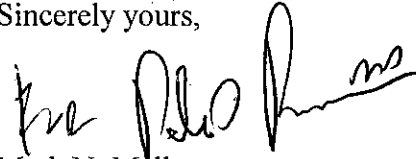
Please be advised that FDA's issuance of a substantial equivalence determination does not mean that FDA has made a determination that your device complies with other requirements of the Act or any Federal statutes and regulations administered by other Federal agencies. You must comply with all the Act's requirements, including, but not limited to: registration and listing (21 CFR Part 807); labeling (21 CFR Part 801); good manufacturing practice requirements as set

forth in the quality systems (QS) regulation (21 CFR Part 820); and if applicable, the electronic product radiation control provisions (Sections 531-542 of the Act); 21 CFR 1000-1050.

This letter will allow you to begin marketing your device as described in your Section 510(k) premarket notification. The FDA finding of substantial equivalence of your device to a legally marketed predicate device results in a classification for your device and thus, permits your device to proceed to the market.

If you desire specific advice for your device on our labeling regulation (21 CFR Part 801), please contact the Office of Compliance at (240) 276-0120. Also, please note the regulation entitled, "Misbranding by reference to premarket notification" (21CFR Part 807.97). You may obtain other general information on your responsibilities under the Act from the Division of Small Manufacturers, International and Consumer Assistance at its toll-free number (800) 638-2041 or (240) 276-3150 or at its Internet address <http://www.fda.gov/cdrh/industry/support/index.html>.

Sincerely yours,

A handwritten signature in black ink, appearing to read 'Mark N. Melkerson', is written over a horizontal line.

Mark N. Melkerson

Director

Division of General, Restorative
and Neurological Devices

Office of Device Evaluation

Center for Devices and
Radiological Health

Enclosure

Indications for Use

510(k) Number: K

Device Name: KINGLY STAR INTL. TECHNOLOGY CO., LTD.
KINGLY STAR Powered Muscle Stimulator, KS-138

Indications for Use :


- *Specific indications:* used to apply an electrical current to electrodes on patient's skin to function as:
 - Relaxation of muscle spasms
 - Prevention or retardation of disuse atrophy
 - Muscle re-education
 - Immediate post-surgical stimulation of calf muscles to prevent venous thrombosis
 - Maintaining or increasing range of motion
- *Clinical settings:* The device should only be used under medical supervisions for adjunctive therapy for the treatment of medical diseases and conditions.

Prescription Use ✓
(Part 21 CFR 801 Subpart D)

AND/OR

Over-The-Counter Use _____
(21 CFR 807 Subpart C)

(PLEASE DO NOT WRITE BELOW THIS LINE-CONTINUE ON ANOTHER PAGE
IF NEEDED)



(Division Sign-Off)
Division of General, Restorative,
and Neurological Devices

Concurrence of CDRH, Office of Device Evaluation (ODE)

510(k) Number 16062457